ASTD/TDI Project Static Report

Permeable Reactive Barrier/Iron Treatment Wall for VOCs in Groundwater

Focus Area: Subsurface Contaminants Focus Area
TTP No.: AL48SD13
Lead Site: Albuquerque - Kansas City Project
Project No.: 98-TDI-03
Tech ID/TMS No.: 2156
Related Publication(s): None
Web Page(s):

Focus Area Manager: Carl Lanigan, (803) 725-0404
Principal Investigator: Paul Dieckman, (816) 997-2335

Technology Vendor(s)/Commercial Partner(s):
Environmental Technologies, Inc.

Description: An in situ, permeable, reactive barrier wall comprised of zero-valent iron filings treats volatile organic compounds (VOCs) dissolved in groundwater, reducing them to non-toxic carbon dioxide and chloride ions, thereby reducing concentrations of contaminants to below regulatory requirements.

Application: Applicable at sites where groundwater is contaminated with VOCs, where there are moderately permeable soils, and where the contaminated groundwater is shallow.

Location(s): Kansas City Plant

Technology(ies):

Iron Treatment Wall

Funding ($K):	FY-98	FY-99	FY-00	FY-01	Total
TTP No.: AL48SD13	$1,200	$600	$0	$0	$1,800
Leverage Source: EM-40					$350
				Funding Total ($K):	$2,150

Cost Savings ($M):	Proposal	Deployment Plan/TTP	Current Focus Area Projection
	Pending	Pending	$30,000